snorkel

TB66J



OPERATOR'S MANUAL

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Models TB66J/TB66JRT
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Appendix A – Glossary

Limited Warranty

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Engine Specifications

Engine	Displacement	Fuel Grade	Coolant	Operating Temperature	Oil Capacity	Oil Grade
Cummins B3.3	199 cu. in. (3.26 liter)	**Diesel** ASTM No. 2D fuel with a minimum Cetane no. of 40.[1] For operating temperature below 0°C (32°F) use winterized No. 2D.	50% Water 50% Antifreeze[2]	140°F to 212°F 60°C to 100°C	2 US gal (7.5 liter)[3]	SAE 15W-40[3] API CH4/SG
Deutz F4L-1011F	190 cu. in. (3.11 liter)[3]	**Diesel** • DIN 51 601 (February 1986).[1] • BS 2869: A1 and A2 (with A2 refer to Deutz manual about sulfur content)[1] • ASTM D 975-88: 1-D and 2-D • CEN EN 590 or DIN EN 590 • NATO Code F-54 and F-75 • For operating temperatures below 0°C (32°F) use winter grade diesel.	Air	172°F to 203°F 78°C to 95°C	2.75 US gal (10.4 liter)	API: CD or higher[3]
Deutz F4L-2011F	190 cu. in. (3.11 liter)	**Diesel** • DIN 51 601 (February 1986).[1] • BS 2869: A1 and A2 (with A2 refer to Deutz manual about sulfur content)[1] • ASTM D 975-88: 1-D and 2-D • CEN EN 590 or DIN EN 590 • NATO Code F-54 and F-75 • For operating temperatures below 0°C (32°F) use winter grade diesel.	Air	172°F to 203°F 78°C to 95°C	2.75 US gal (10.4 liter)	API: CD or higher[3]
Kubota V2403-M-T	148.5 cu. in. (2.43 liter)	**Diesel** Diesel Fuel No. 2-D ASTM D975[1]	50% water 50% Antifreeze[2]	NA	2.51 gal (9.5 liter)	API: CF grade or higher[3]

Note 1: Refer to the engine manufacturers manual for specific fuel recommendations and specifications.

Note 2: Refer to the engine manufacturers manual for specific coolant recommendations and specifications.

Note 3: Refer to the engine manufacturers manual for specific lubricating oil recommendations and specifications.

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The aerial platform is equipped with several gauges to monitor the condition of the machine before and during operation.

Hour Meter

The hour meter is located on the wiring box on the left side of the lower controls (refer to Figure 5.1). It measures the accumulated engine operating time.



Figure 5.1 – Wiring Box

Engine Temperature Gauge

The temperature gauge is located on the lower control panel (refer to Figure 5.2).

Machines with Kubota engines do not have an engine temperature gauge.

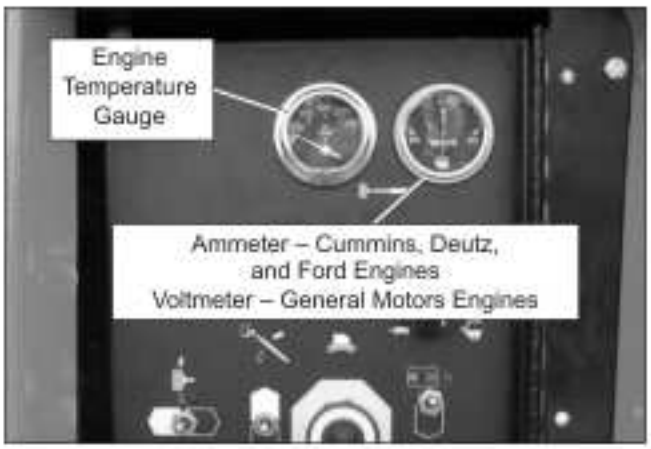


Figure 5.2 – Lower Controls

- The gauge on liquid cooled engines shows the temperature of the water and antifreeze mixture in the engine block.
- The gauge on air cooled engines shows the temperature of the engine oil as the oil leaves the filter.

Ammeter – Cummins, Deutz and Ford Engines

The ammeter is located on the lower control panel (refer to Figure 5.2). The ammeter displays the level of current flow from the alternator to the batteries.

- After the engine has been running for a few minutes under normal operating conditions, the ammeter gauge indicator should read "0."

Machines with Kubota engines do not have an engine ammeter gauge.

Voltmeter – General Motors Engines

The voltmeter is located on the engine gauge panel above the lower controls. The voltmeter displays battery voltage.

- After the engine has been running for a few minutes under normal operating condition, the voltmeter should indicate between 12.5 and 14 volts.

Engine Air Filter Gauge

The air filter gauge (refer to Figure 5.3) is located on the engine gauge panel above the lower controls.



Figure 5.3 – Air Filter Gauge

The air filter gauge measures the air pressure between the intake manifold and the air filter.

- The yellow indicator disk inside the sight glass stays at its highest level when the engine is turned off.
- When the yellow indicator disk reaches the red area, it's time to change the filter element.
- After changing the filter, press the reset button to reset the indicator disk to the bottom of the sight glass.

Fuel Gauge

The fuel gauge is located on top of the diesel or gasoline tank (refer to Figure 5.4). Access the gauge by opening the door on the right side of the chassis.

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The following controls are located on the upper control panel.

- Start switch
- Emergency stop button
- Boom joystick
- Boom extension switch
- Jib articulation switch
- Boom speed knob
- Drive joystick
- Drive range switch
- Platform level switch
- Platform rotate switch
- Engine/emergency power switch
- Throttle switch
- Hydraulic system warm-up (option)

Start Switch
The engine can be started from the platform using the anti-restart master switch on the front of the upper control panel (refer to Figure 6.6). This switch is similar to an automobile ignition switch.

- Turn the switch to start until the engine starts, then release it to on.

- If the engine dies, the switch must be turned to off before it can be turned back to start.

An alarm sounds when the switch is turned on to warn others that the machine engine is being started.

Note
On some machines it may be necessary to pause about three seconds in the on position before going to start so the starter can engage.

If the platform is to stay in a particular position for a long time, turn the switch to off to shut off the engine and save fuel

Emergency Stop Button
The emergency stop is a two-position, red push button on the top of the upper control panel (refer to Figure 6.6).

- Push the button inward to disconnect power to all control circuits at the upper controls.

- Pull the button outward to restore power.

Note
The lower controls override the upper controls. If the upper control emergency stop button is engaged the lower controls can still be used to operate the aerial platform.

- Push the emergency stop button inward when the upper controls are not in use to protect against unintentional operation.

Drive Joystick
The drive joystick (refer to Figure 6.6) is used to control forward and reverse motion of the aerial platform. It is also used to steer the machine. The steering and drive functions may be operated simultaneously.

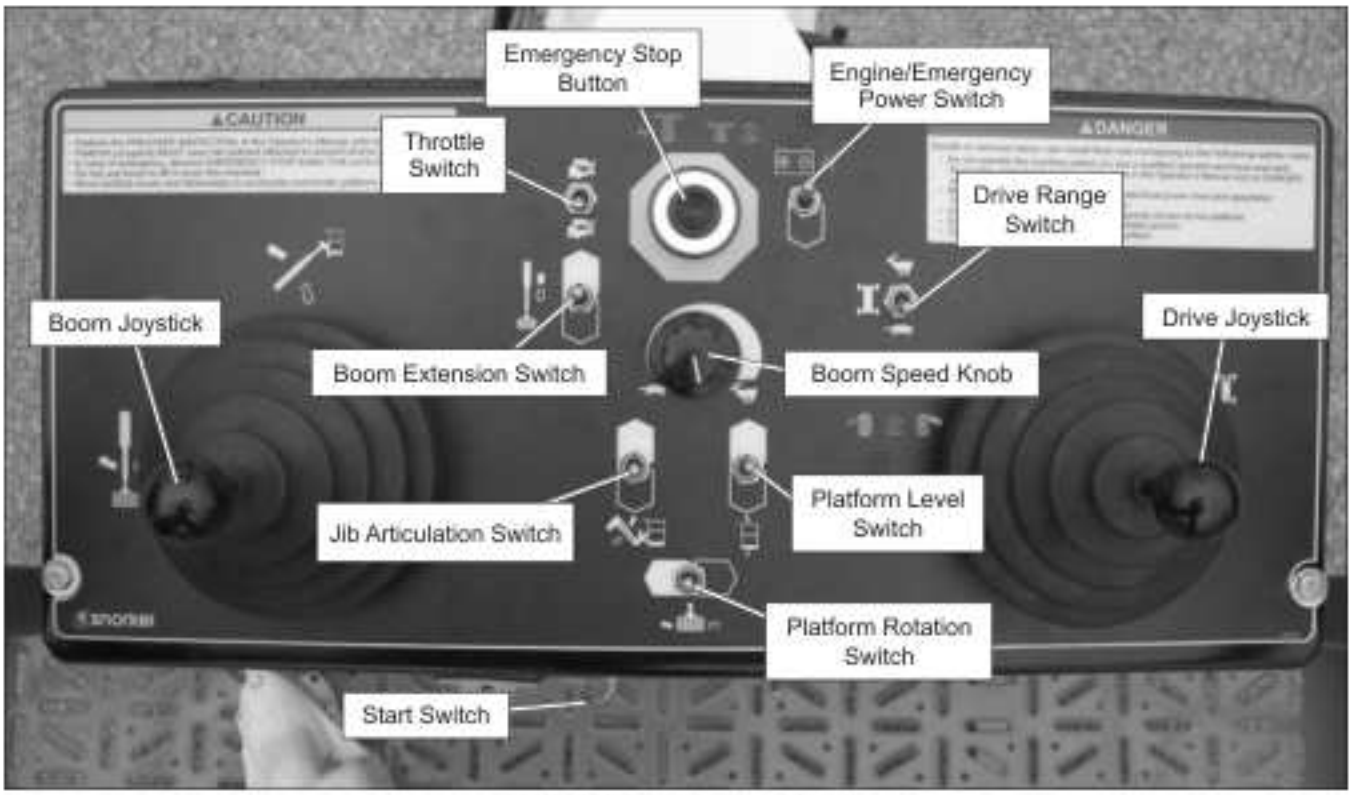
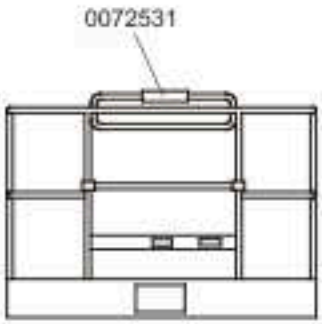


Figure 6.6 – Upper Controls

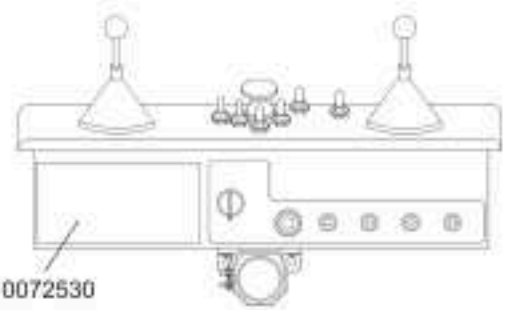
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Platform



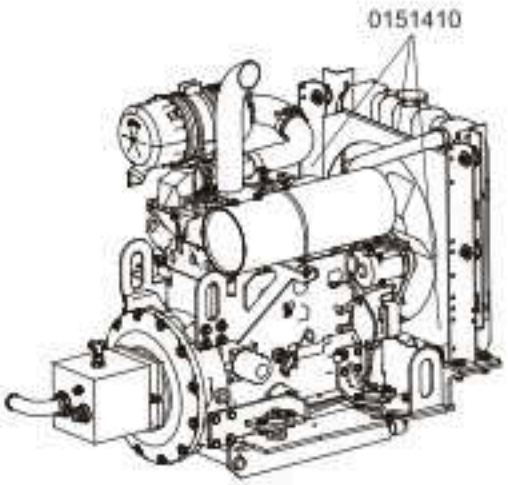
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Upper Control Panel Front



0072530



Radiator



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Platform Glazier Package



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